

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"6638294".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 07:10
S2	1	"4522195".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/13 09:39
S3	49	("3860968" "3860968" "4175264"  "4522195" "4522195" "4771765"  "4957504" "5176619" "5250167"  "5250167" "5337754" "5352180"  "5360445" "5389222" "5389222"  "5397349" "5578012" "5613935"  "5827171" "5827171" "5865721"  "5910124" "5928132" "5941813"  "5941813" "6074365" "6084321"  "6136025" "6149578" "6165119"  "6210318" "6228018" "6228018"  "6245007" "6249076" "6249076"  "6264601" "6264601" "6288018"  "6299575" "6376971" "6376971"  "6387037" "6390969" "6406422"  "6428464" "6464655" "6468200"  "6530876" "6533716" "6545384"  "6545384" "6579223" "6610004"  "6638253" "6638253" "6638294"  "6676692" "6685621" "6793618"  "6893431").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/13 09:50
S4	811	600/16.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/13 09:50
S5	184	600/17.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/13 09:50
S6	0	"623".S3.S1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/13 09:50
S7	130	623/3.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/13 09:50

## EAST Search History

S8	33	623/3.11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/13 09:50
S9	30	623/3.16.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/13 09:50
S10	35	623/3.17.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/13 09:59
S11	1073	S7 S8 S9 S10 S4 S5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/13 09:59
S12	873	S11 and @ad<="20040412"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 07:14
S13	780	S12 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/13 13:42
S14	25143	"shape memory"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/13 13:27
S15	59	S13 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/13 13:26

# EAST Search History

S16	780	(US-20050165269-\$ or US-20030208097-\$ or US-20020045795-\$ or US-20040059189-\$ or US-20040059182-\$ or US-20040059181-\$ or US-20030149333-\$ or US-20020091296-\$ or US-20040181125-\$ or US-20040111006-\$ or US-20040267086-\$ or US-20030023131-\$ or US-20040122282-\$ or US-20040267085-\$ or US-20020019577-\$ or US-20030212306-\$ or US-20030195382-\$ or US-20030144624-\$ or US-20030105383-\$ or US-20040039243-\$ or US-20030069465-\$ or US-20050131385-\$ or US-20050113631-\$ or US-20050085683-\$ or US-20040116768-\$ or US-20030088147-\$).did. or (US-20030069468-\$ or US-20030191538-\$ or US-20020026092-\$ or US-20020103413-\$ or US-20030199727-\$ or US-20050010077-\$ or US-20020082467-\$ or US-20020072698-\$ or US-20040167375-\$ or US-20020139377-\$ or US-20030176760-\$ or US-20040002626-\$ or US-20020095210-\$ or US-20040098113-\$ or US-20030191357-\$ or US-20030163020-\$ or US-20040171904-\$ or US-20020161274-\$ or US-20030233143-\$ or US-20040082992-\$ or US-20030191529-\$ or US-20030127090-\$ or US-20030229261-\$ or US-20030229260-\$ or US-20030163019-\$ or US-20040249236-\$ or US-20040147803-\$).did. or (US-20030144574-\$ or US-20030144573-\$ or US-2003019824-\$ or US-20030187321-\$ or	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/13 13:26
9/20/2006 12:32:57 PM C:\Documents and Settings\h101984\My Documents\EAST\Workspaces\10822315.wsp						

## EAST Search History

S17	73	S16 and ("shape memory" or nitinol)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/13 13:27
S18	1	"20050228211"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/20 13:08
S19	2146	606/198,191,197.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/21 13:02
S20	1145	606/198.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/21 13:02
S21	1015	606/191.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/21 13:02
S22	172	606/197.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/21 13:02
S23	1872	S19 and @pd<="20040112"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/21 13:18
S24	333	S23 and "shape memory"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/21 13:26
S25	376	S23 and nitinol	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/21 13:43
S26	337	S23 and actual\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/21 13:48
S27	1	"5725004".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 09:52
S28	242143	diaphragm	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 09:52

## EAST Search History

S29	837	600/16.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 09:52
S30	188	600/17.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 09:52
S31	132	623/3.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 09:52
S32	35	623/3.11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 09:52
S33	30	623/3.16.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 09:52
S34	36	623/3.17.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 09:52
S35	1104	S31 S32 S33 S34 S29 S30	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 09:52
S36	361	S28 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 09:55
S37	304	S36 and @ad<="20040412"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 09:53
S38	2179	606/198,191,197.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 10:00
S39	1872	S38 and @pd<="20040112"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 10:04
S40	407	S28 and (S35 or S39)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 10:00

## EAST Search History

S41	334	S40 and @pd<="20040112"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 10:41
S42	1	"4522195".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 10:10
S43	3211	((606/191,197,198) or (600/16, 17) or (623/3.1,3.11,3.16,3.17)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/13 10:41
S44	2633	S43 and @pd<="20040112"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 10:41
S45	1962280	"6" and (pump or diaphragm or actuat\$4 or umbrella)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 10:42
S46	1204	S44 and (pump or diaphragm or actuat\$4 or umbrella)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/13 10:42
S47	5	((("5,904,711") or ("3568659") or ("5006104") or ("6989027") or ("6,981,942")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 07:12
S48	332	((623/3.18,3.19,3.28) or (600/18)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/19 07:14
S49	286	S48 and @ad<="20040412"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 07:14

# Interference Search

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	37	(pump\$4 AND (impermeable or permeable) AND (actuation or frame or "elongate member") AND (expand\$4 or contract\$4)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/20 12:23